

#3. California Coast.

D^r 4337 to D^r 4355.

Hy.

Mch. 10th to 14th, 1904.

*3.

Dr. 4337 - Dr. 4355.

607

No. Dr. 4337. Date 10 Mar.

Sixsee Machine. Reel.

Turns 566 Cor. + 51 Depth 617 fm.

Shot or lead

Bottom 5 m f.

Bottom temperature

No. of thermometer

See Dr. 4337

Cor.

Corrected temperature

Air 60 Surface 59 Drift 1 1/10

Trawl or dredge 8' Trr. Sinker, 2 shts, of Plas Bas

A.M. SOUNDING WIRE.	DREDGE ROPE.			
	DOWN.	UP.	DOWN.	UP.
11. 06. 00	11. 18. 55	0	10. 55. 00	12-20, 30
07. 10	17. 55	100	59. 00	. 16. 00
08. 05	17. 00	200	11. 02. 10	13. 00
09. 00	16. 00	300	05. 30	09. 30
10. 00	15. 00	400	-	17-06 15
11. 00	14. 00	500	-	-
11. 12. 00	11. 12. 00	566	-	-
=	617 fm.	600	-	-
		700	-	-
		800	20. 50	
		850	11. 22. 15	11. 47. 00
		900		
		1000	= 2.5 min	
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
Ahead at 12.22 fm		2000		
12		2100		
Lay over		2200		
ending 32, 8		2300		
		2400		

Off San Diego -
Pt Loma Light, N $33^{\circ} 30' E.$, $15\frac{6}{10}'$

2500			
2600			
2700			
2800			
2900			
3000			
3100			
3200	Overcast, hazy, a		
3300	Lt breeze from SSW		
3400	Bor. 30.01"		
3500	Therm. att. 60°		
3600	Smooth sea, gentle swell		
3700			
3800	No animal life in sight		
3900	Gulls following ship		
4000			

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100	Time coming up at the rate of	3.3 sec from 850 fms depth		
200		3m 53 sec for 100 fms		
300				
400	Descending time			
500		3m 10 1/2 sec for 100 fms		
600				
700				
800				
900				
1000				

REMARKS:

No.

Date 10 Mar. 04

Sigsbee Machine. Reel.

Turns 624 Cor. + 56 Depth 680 fms.

Shot or lead 36 ft. 8K

Bottom 52. M. 1508, -13

Bottom temperature —

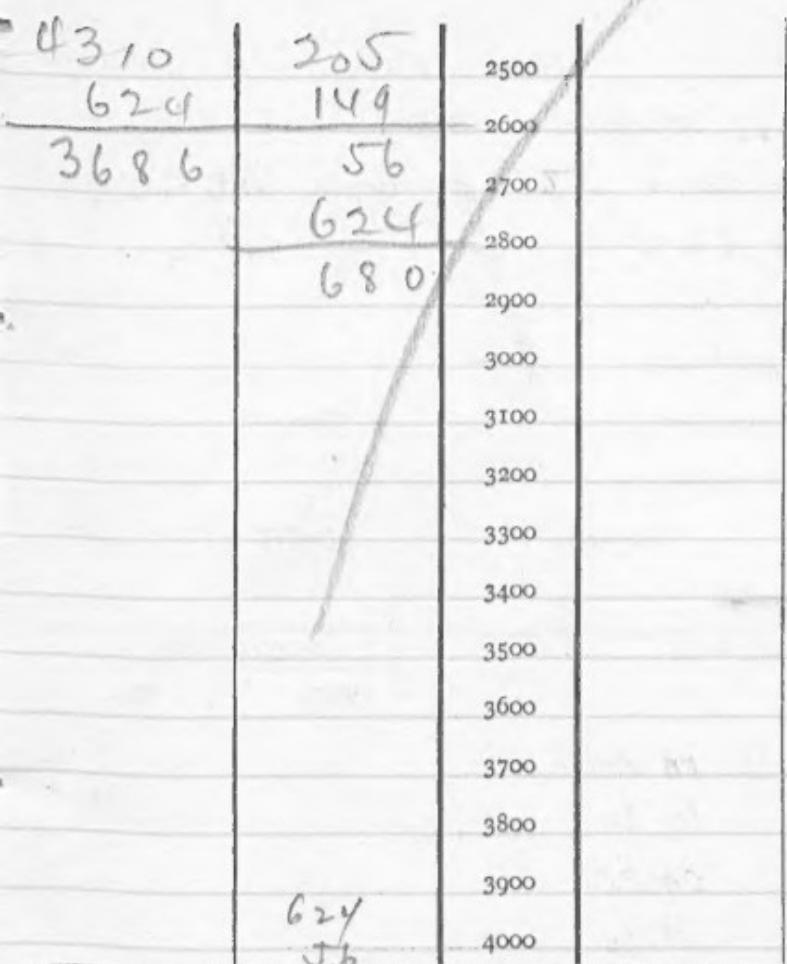
No. of thermometer — Cor.

Corrected temperature —

Air Surface Drift

Trawl or dredge

Am.	SOUNDING WIRE.		TURNS,	DREDGE ROPE.	
	DOWN.	UP.		DOWN.	UP.
11.37.15	11.50.45		0		
38.10	49.50		100		
39.00	49.05		200		
39.55	48.10		300		
40.50	49.10		400		
41.50	46.05		500		
42.55	45.55		600		
11.49.30	11.48.30		648 700		
			800		
			900		
			1000		
			1100		
			1200		
			1300		
			1400		
			1500		
			1600		
			1700		
			1800		
			1900		
			2000		
			2100		
			2200		
			2300		
			2400		



68° SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

807

No. E 4537 Date 10 Mar. 04.

Sigsbee Machine. Reel.

Turns 623 Cor. + 56 Depth 679 fm.

Shot or lead 36 ft

OK

Bottom gr M

Bottom temperature 38.5°

No. of thermometer 98242 Cor.

Corrected temperature

Air 60° Surface 59° Drift

Travel or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11.56.00	12-12.00	0		
7.50	10.30	100		
8.40	09.20	200		
9.30	08.20	300		
15	07.10	400		
12.00, 10	06.00	500		
1.20		600		
12.01.30	12.04.30	700		
623 turns		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

4310	205	2500
623	149	2600
3687	56	2700
5000	623	2800
13	679	2900
		3000
		3100
		3200
		3300
		3400
		3500
		3600
		3700
		3800
		3900
		4000

Bar. 30.01°
 Therm att 60°
 wind SSW
 force 1
 Lang modr SSW
 from SSW
 Pleasant, cloudy

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25			7	
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date Mar. 10 '04

Sigsbee

Machine.

Reel.

Turns 58 Cor. + 6

Depth 64 fm

Shot or lead 36 lbs

Bottom Rky

Bottom temperature

Sog 42.8 at 1.36 pm

No. of thermometer not used Cor.

Corrected temperature

Air 61° Surface 59° Drift

Trawl or dredge 8' Trd

SOUNDING WIRE, fm		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1. 46.10	1, 48.00	0		
35	1, 46.40	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
 2600
 2700
 2800
 2900
 3000
 3100
 3200
 3300
 3400
 3500
 3600
 3700
 3800
 3900
 4000

OK 1000 1/2

Bar 30. 90"

Therm at 61°

Surface 59°

Wind South, force 2

Cloudy, unpleasant

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. Dr 1428 Date 7/1/18

Bogbee Machine. Reel.

Turns 153 Cor. + 15 Depth 168 fms.

Shot or lead

Bottom S, foggy w, frig

Bottom temperature

No. of thermometer 1 m. Cor.

Corrected temperature

Air 60° Surface 55° Drift 10'

Trawl or dredge 8' T. 4.1 m. not handling

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1. 55.00	1. 58.20	0	2. 06.00	3. 47.40
57.00	1. 57.50	100	2. 09.00	
		150	2. 11.20	
		200 stop	2. 14.00	
		170.00	2. 18.30	
		250	2. 23.00	35.30
75 turns	47 = 82	300		
		600		
2. 03.50		700		
2. 04.40	2. 04.45	800	interval	
		900	Sampling	
1. 00 + 12		1000		
12.00	16	1100		
12.10	13.15	1200		
		1300	Interval	
		1400	over 2.	
2. 19.0	2. 23.10	1500	min. 1.	
2. 31.40	2. 31.45	1600		
1. 00	12	1700	at 2. 51 present	
153	15 = 168	1800	Forward 300	
		1900		
		2000		
		2100	read 6.50	
		2200	at 1. 2. 00	
		2300		
		2400		

At Sunlight, N 33° E., 10⁵/₁₀

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507.

No.

Date March 10

Machine. Reel.

Turns 200 Cor. + 20 Depth 225 fms

Steel or lead 36 lbs

Bottom

Bottom temperature

No. of thermometer 1 Cor.

Corrected temperature

Air 60° Surface 59 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2. 32. 30	1. 32. 30	0		
1. 32. 30	1. 32. 30	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

507

No. Ti 4138 Date Mar. 14

Sister Machine. Reel.

Turns 231 Cor. + 23 Depth 2.54 fms

Shallow lead 3.6 lbs

Bottom gr m

Bottom temperature 44°

No. of thermometer 98242 Cor.

Corrected temperature

Air 60° Surface 57 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2.54	2.54	0		
100	44.00	100		
200	44.00	200		
300	44.00	300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

1246	231	2500	
231	192	2600	
4677	231	2700	
C	231	2800	
370	231	2900	
		3000	
	"	3100	
	"	3200	
	60°	3300	
Sea bottom		3400	
Small medlar		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. Dr 4.3.39. Date Nov 10, 1934

Machine. Reel.

Turns 219 Cor. + 22 Depth 141 m

Shot or lead 36 lbs.

Bottom on M & R

Bottom temperature

No. of thermometer ... Cor.

Corrected temperature { N 65° W

Air 60 Surface 60 Drift 110

Trawl or dredge S 17° W 15' x 3' 6" Bar.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3. 05. 00	3. 10. 30	0	2. 15. 00	4. 02. 00
3. 05. 00	3. 09. 20	100	3. 03. 15	-
3. 06. 20	3. 08. 20	200	3. 06. 40	-
3. 07. 00	3. 07. 20	300	3. 09. 50	-
		bottom	3. 13. 40	51. 00
		400	3. 17. 30	3. 46. 00
		500		
		600		
		700		
		800		
		900		
Sink	3. 07. 00	1000		
		1100		
Sounds and Closg		1200		
Net at 3. 50		1300		
Sent down to 150 fms		1400		
revised to 150 fms		1500		
Messenger sent		1600		
down to close it		1700		
at 3. 65		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Pt Loma Light, N 36° E., 11²/₁₀'

1300		2500		
1400		2600		
1500		2700		
1600		2800		
1700		2900		
1800		3000		
1900		3100		
2000		3200		
2100		3300		
2200		3400		
2300		3500		
2400		3600		
2500		3700		
2600		3800		
2700		3900		
2800		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date Mar 10, 1924

Sigsbee Machine Reel.

Turns 277 Cor. + 76 Depth 289 fms

Shot or lead 36 lbs.

Bottom gr. 721

Bottom temperature

No. of thermometer ~~not used~~ Cor.

Corrected temperature.

Air 60° Surface 59° Drift

Trawl or dredge

SOUNDING WIRE, fms.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1830	3,244.10	0		
	23.30	100		
2052	22.55	200		
2120	21.40	300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date Mar. 10 - '04

Sigsbee Machine. Reel.

Turns 275 Cor. + 27

Depth 325 fms

Shot or lead 36 lbs

Bottom R

Bottom temperature

No. of thermometer just ~~inside~~ Cor.

Corrected temperature

Air 60° Surface 59° Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
31.0	31.35,45	0		
32.0	31.34,00	100		
32.50	31.29,00	200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

43.10	5.15	2500	
245	1.15	2600	
51.15	2.15	2700	
	3.15	2800	
	4.15	2900	
	5.15	3000	
	6.15	3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 11119 Date Nov. 10 '04
Sigsbee Machine Reel.
Turns 336 Cor. + Depth 369 fms.

Bottom *52*

Bottom temperature

Bottom temperature.

No. of thermometer 98 24 2

Corrected temperature

Air 60° Surj

Travel or dreigsp

SOUNDING W.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1.00	4.00	0		
2.00	4.00	100		
4.00	4.00	200		
5.00	5.00	300		
6.00	3.58	375		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

11310	175	2500
32		2600
3974	33	2700
		2800
	369	2900
		3000
		3100
		3200
		3300
		3400
		3500
		3600
		3700
		3800
		3900
		4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. Dr. 450. Date 11 Dec. 1904

Temp. Machine. Reel.

Turns 45 Cor. + 1 Depth 46 fms

Shot or lead 26 lbs

Bottom fine gravel S. W. S. P. G.

Bottom temperature

No. of thermometer — Cor.

Corrected temperature (S7107)

Air 56 Surface 57 Drift) 1/10

Trawl or dredge 8' min. Sinking 2 min. 6' max. 10'

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7.5	29.6	0	0.4130	10.70
35.7	29.6	100	46.0	-
		150	-	10.5
		200	-	-
		300	2.1	-
		400	-	-
		500	-	-
		600	-	-
		700	-	-
		800	-	-
		900	-	-
		1000	-	-
		1100	-	-
		1200	-	-
		1300	-	-
		1400	-	-
		1500	-	-
		1600	-	-
		1700	-	-
		1800	-	-
		1900	-	-
		2000	-	-
		2100	-	-
		2200	-	-
		2300	-	-
		2400	-	-

(1) Coronados Islands
South Pt., East Channel 3°, N 87° E., 18/10'

		2500	
		2600	
		2700	
		2800	
Fair, clear sky.	6000	cool.	
Lat. 30° S.	3000	far. 11.1 W.	
Press. 3012	3100		
Therm. att. 59	3200		
Depth 1000	3300		
2000	3400		
	3500		
	3600		
	3700		
	3800		
	3900		
	4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 107.

No.

Date 11 Feb 04

Tanner Machine.

Reel.

Turns 51 Cor. + 1

Depth 52 fms.

Shot or lead 26 ft

Bottom fine gr. S.

Bottom temperature —

No. of thermometer — Cor.

Corrected temperature —

Air 52 Surface 57 Drift

~~Trawl or dredge~~

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9.46	9.48.20	0		
9.47	9.47.20	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

NOT.

No.

Date 11 Mar. 04

Turner Machine. Reel.

Turns 57 Cor. + 1 Depth 58 fms

Shot or lead 26 ft

Bottom free

Bottom temperature —

No. of thermometer — Cor.

Corrected temperature —

Air 56 Surface 57 Drift

Trawl or dredge

M. SOUNDRING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9 07.10	9 08.45	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

11 Dec 34

Tanner Machine. Reel.

Turns 63 Cor. + / Depth 6' fms

Shot or lead 26

Bottom 15. Bottom fms

Bottom temperature -

No. of thermometer - Cor.

Corrected temperature -

Air 56 Surface 57 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9.59.0.0	10.02.12	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date 11 Mar 04

Machine. Reel.

Turns 85 Cor. + 2 Depth 87 fms.

Shot or lead 26 ft

Bottom bl. Sph.

Bottom temperature

No. of thermometer — Cor.

Corrected temperature —

Air √6 Surface 57 Drift

Trawl or dredge

~~ON~~ SOUNDING WIRE.

DOWN.	UP.
10.07.00	10.10.30

TURNS.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400

DREDGE ROPE.

DOWN.	UP.
-------	-----

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. D-4041 Date 11 Nov. 04

Tanner Machine. Reel.

Turns 185 Cor. + 3 Depth 188 fms.

Shot or lead 26 ft

Bottom low.

Bottom temperature 96°

No. of thermometer 96 2 1/2 Cor.

Corrected temperature (S 63° 71)

Air 57 Surface Drift) 1 1/10

Trawl or dredge 8' Trawl with Wind 60 m/s

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10. 19.30	26.30	0	10. 29.30	11. 30. m
21. 10	26.30	100		26.00
10. 22.00	10.25.00	195	36.	22.17
		200	37.	18.20
		300	39.	
		400	10. 42.50	12. 17
		500	11. 07.40	11. 07.40
		600	12. 04	
		700		
		800		
		900		
10. 42 - 10. 59		1000		
= 16 m		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

S. Pt, S. Canada 8°, N. 77° 6', 3³/₁₀

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
	30.12	3200	
	30.25	3300	
	30.32	3400	
	30.38	3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. —

Date

11 Mar. 04

Syringe Machine. Reel.

Turns 232 Cor. + 27 Depth 2

Shot or lead 36 ft. 266

Bottom gy. 31. 16. 21. 18

Bottom temperature 42° 25°

No. of thermometer 124 Cor. 32.1

Corrected temperature 42° 25°

Air Surface Drift

Trawl or dredge

SOUNDING WIRE.		TURNS,	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.42.02	10.48.30	0		
13.20	12.15	100		
43.50	36.10	200	220 S. 1.	
10. —	10.46.00	300	266.1	
10.50.30	10.57.00	400		
51.30	58.00	1500		
10. —	10. —	2500		
10. —	10. —	3000		
10. —	10. —	4000		
10. —	10. —	5000		
10. —	10. —	6000		
10. —	10. —	7000		
10. —	10. —	8000		
10. —	10. —	9000		
10. —	10. —	10000		
10. —	10. —	11000	52 m. final	
10. —	10. —	12000		
10. —	10. —	13000		
10. —	10. —	14000		
10. —	10. —	15000		
10. —	10. —	16000		
32.3	—	1700		
43.0	—	1800		
Temperature	—	1900		
		2000		
		2100		
		2200		
		2300		
		2400		

4310
232
4071

205

182

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 714342 Date May 11, 19

Tanner Machine Reel.

Turns 52 Cor. + 1 Depth 53

Shot or lead 26 lbs 56

Bottom 56

Bottom temperature 56

No. of thermometer 1 Cor.

Corrected temperature 56° VI.

Air 61 Surface 6 Drift 71°

Trawl or dredge 1

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	11.50	
		100	12.00	11.00
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

no auxiliary
wires used

S. G., L. C. & Co., Sept. 27, 1878.

25	2500	
50	2600	
100	2700	
200	2800	
300	2900	
400	3000	
500	3100	
600	3200	
700	3300	
800	3400	
900	3500	
1000	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. E 4242 Date 7. 11. 1914

Tanner Machine Reel.

Turns 65 Cor. + 1 Depth 66 fms

Shot or lead 26 lbs

Bottom gy. S, 6K sp.

Bottom temperature 48.9°

No. of thermometer 98242 Cor.

Corrected temperature

Air 61° Surface 60° Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1200	1200	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 1142 of 3 Date Nov. 11, 1901

Machine. Reel.

Turns 54 Cor. + 1 Depth 50 m.

Shot or lead 26 lbs

Bottom fangy sand

Bottom temperature

No. of thermometer not weighed Cor.

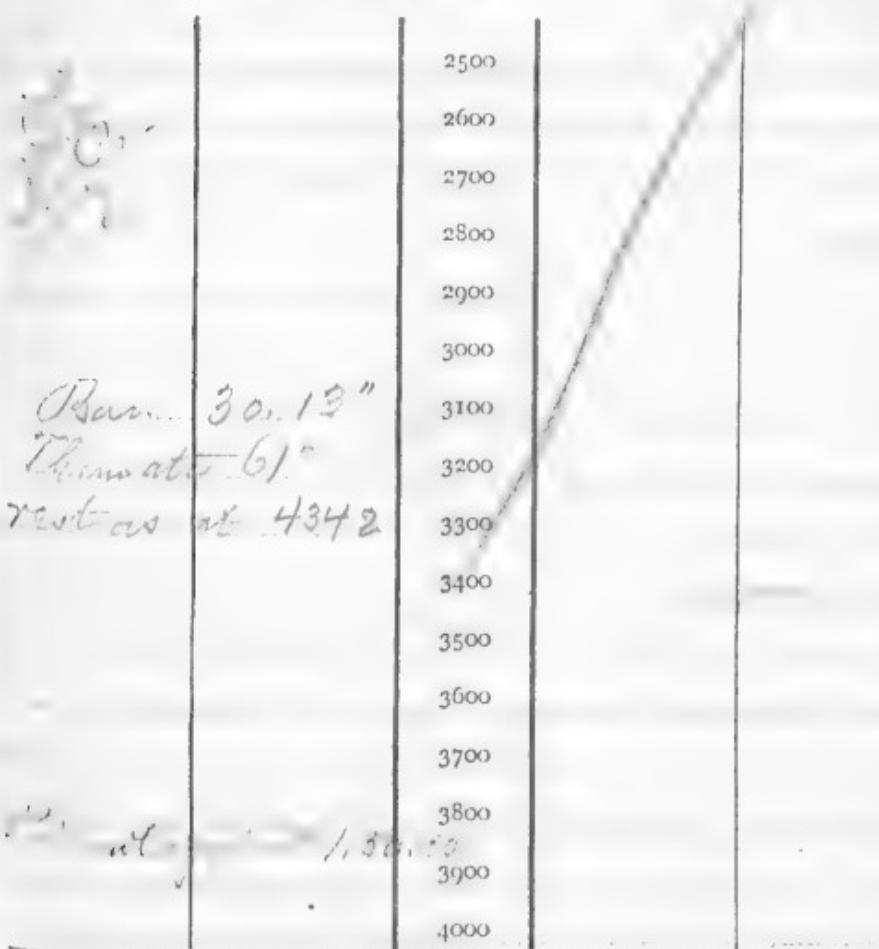
Corrected temperature 15.80° N.

Air 61° Surface 58° Drift 1°/10°

Trawl or dredge 8' T. / m.

Fathoms	SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
	DOWN.	UP.		DOWN.	UP.
1. 33.00			0	1. 33.50	17 - 0
34.00	1. 34.00		100	1. 38.10	1. 17.
			200	1. 50.20	
Second sounding	1. 38.80		300	2. 50.20	
			400	1. 52.20	
			500		
1. 40.00	58		600		
1st S.			700		
			800		
1. 41.00	58		900		
at 40.00			1000		
			1100		
1. 41.00			1200		
1. 41.00			1300		
1. 43.00	61		1400		
			1500		
2. 06.00	61		1600		
			1700		
			1800		
			1900		
			2000		
			2100		
			2200		
			2300		
			2400		

S. Pt., S. Concord 39° S 60° E., 3 6/10'



SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 4343 Date Mar. 11. 1914

Cinner Machine. Reel.

Turns 153 Cor. + 2 Depth 155 fms

Shot or lead 26 lbs

Bottom fuzzy S

Bottom temperature

No. of thermometer not used Cor.

Corrected temperature

Air 60° Surface 58° Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
13.50	2. 17.00	0		
2.15.50	2. 15.50	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. D 4344 Date Mar. 11, '04

Sighter Machine Reel.

Turns 204 Cor. + 20

Depth 224 fms.

Shot or lead 36 lbs

Bottom

lost gear

Bottom temperature

No. of thermometer 1 not used

Cor.

Corrected temperature

(N 79° W)

Air 60° Surface 58°

Drift 5° 10'

Trawl or dredge

Sounding wire

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	2.02	2.02
		100	2.02	2.02
		200	2.02	2.02
		300	2.02	2.02
197 1/2 in.	to come in	400	2.02	2.02
		450	2.02	2.02
		500	2.02	2.02
		51 1/2	2.02	2.02
		600	2.02	2.02
		700	Time	07 m.
		800	at 2.50	dred
		900	9	11
		1000	10	12
		1100	11	13
		1200	12	14
		1300	13	15
		1400	14	16
		1500	15	17
		1600	16	18
		1700	17	19
		1800	18	20
		1900	19	21
		2000	20	22
		2100	21	23
		2200	22	24
		2300	23	
		2400	24	

End of day's work

S.P., S. Pampa J. S. 68° E., 5° 30' N.

42.15	26.5	2500	
42.16	18.5	2600	
41.06	12.5	2700	
41.07	12.5	2800	
41.08	12.5	2900	
41.09	12.5	3000	
41.10	12.5	3100	
41.11	12.5	3200	
41.12	12.5	3300	
41.13	12.5	3400	
41.14	12.5	3500	
41.15	12.5	3600	
41.16	12.5	3700	
41.17	12.5	3800	
41.18	12.5	3900	
41.19	12.5	4000	
		3.15	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Water is still
Very warm at 12° N.
Bottom 12° N. very
warm in rocks on bottom

607.

No. 11765 Date Mar. 11th 1914

Varro-Machine. Reel.

Turns 24 Cor. + 1 Depth 25 fms

Shot or lead 26 ✓

Bottom 59

Bottom temperature —

No. of thermometer — Cor.

Corrected temperature —

Air / Surface

Trawl or dredge 8' Trr. Drift } 4/10

SOUNDING WIRE. DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
4.12.0	4.14.10	0	4.11.0	4.12.0
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

St. Louis Bay, N 1° E., 12 $\frac{4}{10}$

	2500	
61°C.	2600	
62°C.	2700	
air. temp.	2800	
w. w. t. 30°C.	2900	
Bar. 30.10	3000	
Hum. abt. 61	3100	
Gentle swell.	3200	
Moderate hills.	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. Dr 4346 Date Mar 12, '04

Tanner Machine Reel.

Turns 45 Cor. + 1 Depth 46 fms

Shot or lead 26 lbs.

Bottom br. M 8 gr.

Bottom temperature

No. of thermometer no wind Cor.

Corrected temperature

Air 50° Surface 57° Drift 1° 10'

Trawl or dredge 210 2 min. 87°

SOUNDING WIRE, m.		TURNS.	DREDGE ROPE	
DOWN.	UP.		DOWN.	UP.
2.01.45	0.04.45	0	2.01.45	2.01.45
		100	2.07.45	2.32.45
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date Mar. 12 1914

Turns Machine Reel.

Turns 50 Cor. + 1 Depth 57 fm

Shot or lead 26 lbs

Bottom fine gray sand

Bottom temperature

No. of thermometer not used Cor.

Corrected temperature

Air 52° Surface 57° Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
25.00	11.50	0		
65.00	2.50	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. F. 4546 Date Nov. 12, 1881.

Turns Machine. Reel.

Turns 49 Cor. + 1 Depth 57 m.

Shot or lead 26

Bottom fangy 8

Bottom temperature 50.4

No. of thermometer 98.1 Cor.

Corrected temperature 1

Air 52° Surface 57° Drift

Trawl-or-dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8.33.00	8.3	0		
8.33.00	8.33.00	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. D. 4347 Date May 12 '04

Tanner Machine. Reel.

Turns 54 Cor. + 1 Depth 55 fm

Shot or lead 26 lbs

Bottom fine gravel

Bottom temperature

No. of thermometer not used Cor.

Corrected temperature 13.8 - 4.1

Air 52° Surface 57° Drift 2.10

Trawl or dredge 8' Tammash

all	SOUNDING WIRE. A.	TURNS.	all	DREDGE ROPE. B.
DOWN.	UP.		DOWN.	UP.
8.44	5.51	0	8.42	9.16
8.45	3.30	100	8.49	12.00
		200		
		300	Time 25	
		400		
	52	500	9.12	
	9.12	600		
	7.30	700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

H. B. Light, N 43° E, 5²/₁₀'

124
marksdime
as at D. 4336

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. — Date 2. June 1912
 Turns Machine Reel.
 Turns Cor. + Depth 56
 Shot or lead 56 f.
 Bottom f. M
 Bottom temperature
 No. of thermometer Cor.
 Corrected temperature
 Air 52° Surface 57° Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
36.00	9.02.30	0		
1.40	9.03.00	100		
		200		
07.00	9.10.00	300		
08.00	9.08.00	400		
	9.03.57	500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
 2600
 2700
 2800
 2900
 3000
 3100
 3200
 3300
 3400
 3500
 3600
 3700
 3800
 3900
 4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. E 4347 Date Mar. 12. 18

Turner Machine. Reel.

Turns 7 Cor. + / Depth 53 fms

Shot or lead 26 lbs

Bottom 50 fms

Bottom temperature 50.4°

No. of thermometer 98.1° Cor.

Corrected temperature

Air 52° Surface 57° Drift

Trawl or dredge

SOUNDING WIRE		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9. 16.0	9. 16.0	0		
9. 16.0	9. 16.0	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
 2600
 2700
 2800
 2900
 3000
 3100
 3200
 3300
 3400
 3500
 3600
 3700
 3800
 3900
 4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 274315 Date 12-12-1907

Instrument Machine Reel

Turns 60 Cor. + 1 Depth

Shot or lead 66' 0' 0"

Bottom 100% 100 ft 8 lb 1/2 96 "

Bottom temperature 103 "

No. of thermometer 112 "

Cor.

Corrected temperature 57.01 " 57.01

Air Surface Drift 1/10

Trawl or dredge 5 fms 10 min

SOUNDING WIRE DREDGE ROPE

DOWN UP TURNS DOWN UP

7.23.62 9.22.30 10.16.00

100 9.27.15 10.12.00

125 9.34.20

200 9.37.00

150 9.44.00 10.09.00

300 5 min 30 min

400

500

600

700

800

900

1000

1100

1200

1300

Small found

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

75 + .8 103

10.12.00 10.59.00

10.12.00 10.59.00

10.12.00 10.59.00

10.12.00 10.59.00

10.12.00 10.59.00

10.12.00 10.59.00

10.12.00 10.59.00

10.12.00 10.59.00

10.12.00 10.59.00

Fl. Temp. S. Lat. N 49° E. 58°/o

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 1154 Date 11/11
 Sigsbee Machine Reel.
 Turns 103 Cor. + 10 Depth 113 fms
 Shot or lead 36 lbs
 Bottom gn M & S
 Bottom temperature 48°
 No. of thermometer Cor.
 Corrected temperature
 Air 69° Surface 58° Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10, 13, 20	10, 19, 0	0		
10, 14, 0	10, 19, 0	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

4112	175	2500	
103		2600	
016009	10	2700	
103	102	2800	
	113	2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

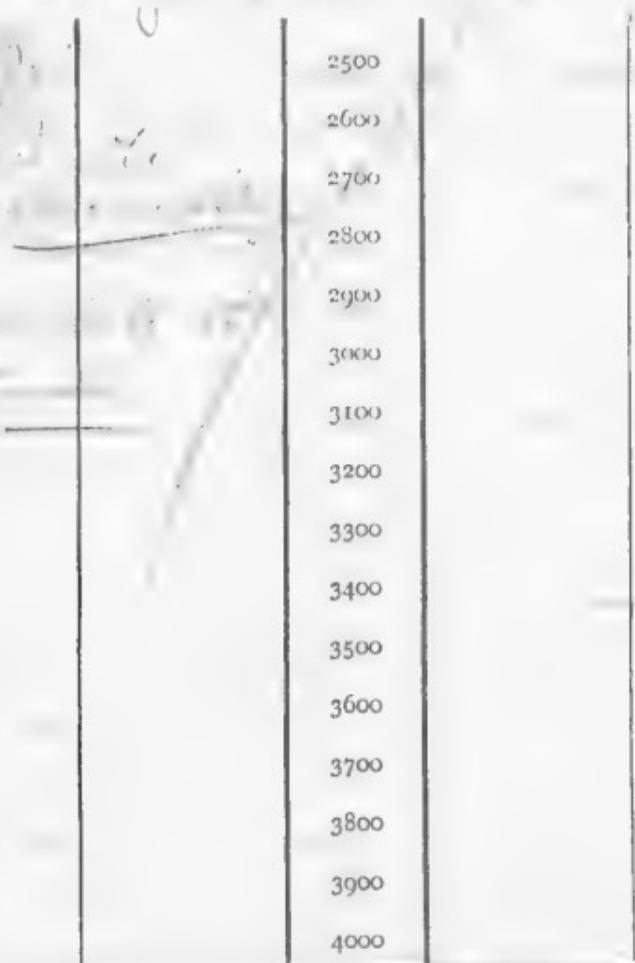
SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.	4349	Date			
Tanner	Machine.	Reel.			
Turns 74	Cor. + 1	Depth 75			
Shot or lead 26 lb		82 "			
Bottom		84 "			
Bottom temperature		90 "			
No. of thermometer		103 "			
Corrected temperature			Cor.		
Air	Surface	Drift	12' 10"		
Trawl or dredge 8' 9"		Wind			
in Sounding Wire. Min		in Dredge Rope.			
Down.	Up.	Down.	Up.		
10.33.00	10.36.00	0	10.53	11.35	-
10.34.00	10.34.05	100	11.	11.	
		150			
		200			
10.38.00	10.40.00	175	10.50.00	11.	
		300	11.	11.	
39.35		400			41.5 m
81.7 + 1 = 82 fm		500			
9.5		600			
10.43.00	10.46.00	700			
		800			11.25
86.7 + 1 = 87.8 fm		900			
9.5 M	8.8	1000			
10.49.00	10.52.00	1100			
10.50.00	10.50.05	1200			
88.2 = 90 fm	90 M	1300			
		1400			
10.55.30	10.59.30	1500			
6.30	56.45	1600			
101.2 = 102 fm		1700			
9.5 M		1800			
		1900			
		2000			
		2100			
		2200			
		2300			
		2400			

Fl. 7, 1900, N.E., 65°



SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. _____

Date Nov. 11, 1917

Sig. sh. Mach. Reel.

Turns 112 Cor. + 11 Depth 123 f.

Shot or lead 36 lbs 134 "

Bottom gr. 22 110 "

Bottom temperature

No. of thermometer ~~not used~~ Cor.

Corrected temperature

Air Surface Drift

Trawl or dredge

SOUNDING WIRE. DOWN.		TURNS.	DREDGE ROPE.	
UP.	UP.		DOWN.	UP.
11.02.45	11.06.00	0		
3.45	11.04.30	100		
		200		
		300		
11.10.30	11.14.00	400		
11.30	11.12.30	500		
12.2+12=134	gr. 21 off S	600		
		700		
		800		
11.18	11.21.30	900		
19.10	11.20.00	1000		
100+10=	110 f.	1100		
gr. 22		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. E 4349 Date Mar. 12

Machine. Reel.

Turns 74 Cor. + 7 Depth 81 fms

shot or lead 10 lbs

Bottom s.s. 8

Bottom temperature 50°

No. of thermometer 98.242 Cor.

Corrected temperature

Air 68° Surface 59° Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11. 50	10.00	0		
11. 26	11. 29.00	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

4112	18.	2500	
50	178	2600	
C. 0. 2.	7	2700	
U	6	2800	
J. 103	8	2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. II 430 Date May 12 1911

Tanner Machine Reel.

Turns 80 Cor. + 1 Depth 31

Shot or lead 26 lbs ~~82.4~~

Bottom crs gy S

Bottom temperature

No. of thermometer 1 Cor.

Corrected temperature 63.5 10° F

Air 68 Surface 59 Drift 1 4/10

Trawl or dredge 3' T. min. 4.10

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11. 36. 0		0	11. 36. 0	19. 15. 00
11. 37. 00	11. 37. 45.	100	11. 40. 25	
		175		
		200	11. 42. 45	12. 00. 20
		300		min.
11. 47. 5	11. 48. 00	400		
46	46. 10	500		
51 + 1 - 32. 5	92	600		
		700		
11. 56. 2	11. 56. 20	800		
12. 05. 85	12. 05. 85	900		
		1000		
		1100	in at	11. 45. 00
		1200	time	12. 04. 00
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

P. S. M. D. 1. 1. 1871 E. 2^o/o

Do	4349	2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	From West.
		3200	At Smithville
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. E. 4350 Date 12 Mar. 1904

Vanner Machine. Reel.

Turns 83 Cor. + 1 Depth 84 fms.

Shot or lead 268

Bottom 5m. 17°. crs. gy. S. 6km Sh. g.

Bottom temperature 49° b.

No. of thermometer 98242 Cor.

Corrected temperature

Air 58 Surface 58 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
12.09.4-	12.14.10	0		
10.4	12.12	53		
		400		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

P.L. 71.6

No. 1. - 1951. Date 14 1951

Sigsbee Machine. Reel.

Turns Cor. + Depth 412 fms.

Shot or lead 36 ft

Bottom soft gr. M.

Bottom temperature

No. of thermometer - Cor.

Corrected temperature - (S 76°/11)

Air 60° Surface 58° Drift 17° 10'

Trawl or dredge 8' min. S. 76° 11' D. 10° 10'

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
9. 22. 15	4. 40. 20	0	9. 22. 15	12. 5. 20
33. 20	39. 40	100	41. 00	52. 55
34. 15	31. 05	200	44. 15	51. 00
35. 10	38. 00	300	47. 15	46. 70
36. 0	9. 07. 20	400	50. 00	-
		500	52. 00	-
Surf. T. et.		600	55. 00	-
9. 14. 00 - 10. 30. 00		700	56. 00	-
1. 1. 46-min.		760	57. 00. 00	10. 29. 20
		800	58. 00	-
		900	60. 00	-
		1000	62. 00	-
		1100	64. 00	-
		1200	66. 00	-
		1300	68. 00	-
		1400	70. 00	-
		1500	72. 00	-
Torvalds Self closing		1600	74. 00	-
125 fms. 0 min; f.		1700	76. 00	-
ended up 25 fms		1800	78. 00	-
not closed!		1900	80. 00	-
at 10. 32. - end 10. 44		2000	82. 00	-
		2100	84. 00	-
		2200	86. 00	-
		2300	88. 00	-
		2400	90. 00	-

H. Sonn. 1903 - E., 12³/₁₀

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
at. air.	for	3300	vertical increasing to
depth	at	3400	gentle slope. At N.W.
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date

10/10/27

Sigsbee Machine.

Reel.

Turns $\sqrt{2} \pi$ Cor. + 36 Depth $\sqrt{2} \pi$ fms.

Shot or lead 36 fm.

Bottom 52 fm.

Bottom temperature -

No. of thermometer - Cor.

Corrected temperature -

Air 71 Surface 62 Drift

Trawl or dredge 1

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.00	10.10.70	0		
11.00	00.50	100		
02.00	02.10	200		
03.00	03.10	300		
04.00	04.10	400	$\sqrt{2} \pi$	
10.00	10.10.70	500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

(✓)

4/12
4/14
36° 0'
4° 2'

11857
1175
116
458

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. E. 4351. Date Apr. 12, 1911.

Sister - Machine. Reel.

Turns 450 Cor. + 38 Depth 488 fms.

Shot or lead 36 ft

Bottom 5 m. 712.

Bottom temperature 40°

No. of thermometer 95242 Cor.

Corrected temperature

Air 71 Surface 60 Drift

Trawl or dredge.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.32.00	10.32.00	0		
32.55	15.70	100		
33.5	12.20	200		
	11.70	300		
	40.10	400		
10.36.00	10.36.00	500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

		2500	
		2600	
		2700	
		2800	
		2900	
		3000	
		3100	
		3200	
		3300	
		3400	
		3500	
		3600	
		3700	
		3800	
		3900	
		4000	

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

807.

No. D-4251 Date 16 Mar. 1914

Sigsbee Machine. Reel.

Turns 500 Cor. + 1/2 Depth 17 fms.

Shot or lead 36 lbs

Bottom 10 m. 11 fms.

Bottom temperature -

No. of thermometer - Cor.

Corrected temperature - (57° 11')

Air 7° Surface 57 Drift 13°

Trawl or dredge 8' m. 11 fms.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0	11. 12. 13.	24. 45.
		100	-	12. 22. 00
		200	-	12. 18. 30
		300	-	12. 15. 00
		400	11. 8. 0. 12.	12. 00
		500	-	-
		600	2. 1. 0.	-
		700	-	-
		800	-	11. 36. 20
		850	-	-
		900	-	11. 36. 45
		1000	-	-
		1100	-	-
		1200	-	-
		1300	-	-
		1400	-	-
		1500	-	-
		1600	-	-
		1700	-	-
		1800	-	-
		1900	-	-
		2000	-	-
		2100	-	-
		2200	-	-
		2300	-	-
		2400	-	-

At. Sec. 200, 40° S., 13 $\frac{4}{5}$ '

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

2, 300 ft. Shoreline
300 ft. horizon.
W. N. W.

506
SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date 14 Mar 04

Sinker Machine Reel.

Turns 572 Cor. + 55 Depth 77

Sheet or lead 36

Bottom 5 m.

Bottom temperature

No. of thermometer — Cor.

Corrected temperature

Air 70 Surface 57 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

(40)
5
7

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 4352 Date Dec. 14, 1881
Wingsboro Machine Reel.

Turns 440 Cor. + 11 Depth 585

Shot or lead 36 lbs

Bottom 9 m

Bottom temperature 39°

No. of thermometer 98242 Cor.

Corrected temperature

Air 68° Surface 59° Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
11. 58.00	0. 12.00	0		
59.00	10. 45	100		
Middle 60	29.50	200		
12. 01.00	25. 30	300		
12. 02.00	25. 20	400		
02.30	0. 6.00	500		
12. 03.00	05. 00	540		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

4112

4140

4112
4140

3595

60
J. CD.
14

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

14

14

146
45

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. Dr 4353 Date Mar 14. '04

Sig. line Machine Reel.

Turns 590 Cor. + 44 Depth 639

Shot or lead 36 lbs

Bottom gn M

Bottom temperature

No. of thermometer Cor.

Corrected temperature { 580°W

Air 55 Surface Drift } 1.

Trawl or dredge 9.2

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
0	1.45.00	0	1.52.	2.55.
	1.44.20	100	1.30.30	2.31.30
	1.43.10	200	1.28.40	2.27.45
	1.42.10	300	1.41.00	
	1.41.00	400	1.40.00	
	1.40.00	500	1.47.	
	1.39.00	600	1.50.	
		700	1.53.	
		800	1.57.	
	1.38.00	850	1.58.	
		900	1.60.	2.11.30
		1000		
	0.50.10	1100		
		1200		
		1300		
	1.37.00	1400		
	1.36.00	1500		
		1600		
Time		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Pl. Lima Right, N 47° E, 14° 10'

		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
	60	3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. _____ Date May 14 - 04

Sigsbee Machine. Reel.

Turns 320 Cor. + 1/2 Depth 628 fms

Shot or lead 36 lbs.

Bottom gr M

Bottom temperature

No. of thermometer not used Cor.

Corrected temperature

Air 65° Surface 59° Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2. 01. 00	13. 30	0		
2. 02. 00	12. 30	100		
2. 50	11. 30	200		
3. 40	10. 30	300		
4. 30	2. 19. 30	400		
5. 30	2. 08. 31	500		
6. 00	2. 8. 45	600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. 11 4353 Date Nov. 14 '07
 Sigsbee Machine. Reel.
 Turns 591 Cor. + 49 Depth 620
 Shot or lead 36 lbs
 Bottom gr m
 Bottom temperature 39°
 No. of thermometer 96.5 Cor.
 Corrected temperature
 Air 65° Surface 57° Drift
 Trawl or dredge

SOUNDING WIRE.		TURNS	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2. 27. 10	43. 20	0		
3. 28. 15	42. 30	100		
2. 29. 20	41. 30	200		
30. 00	40. 15	300		
30. 55	39. 00	400		
31. 58	37. 30	500		
32. 59	2. 36. 00	600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

1112.

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. D 4354 Date

Sight Machine. Reel.

Turns 596 Cor. + 50 Depth 646

Shot or lead 3.6 lbs

Bottom gr m

Bottom temperature

No. of thermometer Cor.

Corrected temperature (S.W.)

Air 61° Surface 59° Drift 1°

Trawl or dredge 3' Trawl 60 min. 10 m. 10 sec.

SOUNDING WIRE.		TURNS.	DREDGE ROPE:	
DOWN.	UP.		DOWN.	UP.
3.05.00	3 18.15	0	3.05.00	4.22.30
3.40.50	3 17.00	100	3.07.50	4.19.30
3.01.50	3 16.10	200	3.10.30	4.16.30
3.7.55	3 15.15	300	3.12.50	4.14.30
3.8.60	3 14.20	400	3.15.30	4.12.30
10.10	3 13.25	500	3.18.10	4.10.30
11.00	3.11.	600	3.20.30	4.08.30
		700	3.23.30	4.06.30
3.00.50	3.11.60	800	3.26.00	4.04.30
3.01.5	3.29.10	850	3.27.40	4.02.15
in st	3.56.70	900		
time	= 58 sec	1000		
		1100		27 m
		1200		
		1300	3.54	
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

At. Form Right, N 49° E., 15°/10°

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No.

Date Mar 14 1904

Sigsbee

Machine.

Reel.

Turns 573 Cor. + 4.9 Depth 642 fms

Shot or lead 36 lbs

Bottom 72 M

Bottom temperature

No. of thermometer 14 T. Cor.

Corrected temperature

Air 61 Surface 57° Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6 15	3 50.00	0		
37 10	3 49.00	100		
38 10	3 48.00	200		
39 10	3 47.00	300		
40 10	3 46.00	400		
41 50	3 45.15	500		
43 10	3 44.20	600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

No. E. 4354. Date 14 Mar. 04
 Sigsbee Machine. Recl.
 Turns 600 Cor. + 50 Depth 650 fm.
 Shot or lead 36
 Bottom 5 n. f.
 Bottom temperature 38.5°
 No. of thermometer 98 2/2. Cor.
 Corrected temperature
 Air 61 Surface 60 Drift

Trawl or dredge

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3. 57. 5	1. 1. 17	0		
28. 58	.	100		
67. 59	12. 10	200		
1. 00. 62	1. 1. 18	300		
01. 55	1. 1. 22	400		
02. 56	08. 22	500		
1. 04. 53	1. 1. 20	600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

4/12
600
3512
185
125
50

SERIAL TEMPERATURES.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS:

Anchorage off Paracambin StaNo. Dr 4355 Date March 14, 1914
Handline Machine. Reel.

Turns Cor. + Depth 7 fms

Shot or lead 9 lbs

Bottom M & S

Bottom temperature

No. of thermometer not used Cor.

Corrected temperature

Air 57° Surface 59° Drift None

Trawl or dredge Hand Dredge Net & Small Plankton

SOUNDING WIRE,	DOWN.	UP.	TURNS.	DREDGE ROPE.	
				DOWN.	UP.
8-20-00			0		
(Sandstrom & J McDonald used)					
At 8.20 lowered a 16 cwp iron dredge			200		
lamps one foot below the surface and			300		
used hand dip nets to collect			400		
miscellaneous small fish			500		
and			600		
at 9.00 C.M. Sandstrom stopped			700		
and J McDonald continued under			800		
direction of G. T. Miller to fish			900		
with dredge over the stern			1000		
of the ship after			1100		
light being used - no results			1200		
at 9.15 pm J McDonald returned to			1300		
first fishing station at submerged light			1400		
			1500		
9.20 stopped hand nets and at			1600		
9.42 sent down small plankton net			1700		
9.45 up again down to 7 fms			1800		
a second time hand nets not used			1900		
over the starboard gangway brought			2000		
better results by J. McDonald			2100		
Closed work			2200		
at 10.05 pm.			2300	1 h 45 m	
			2400		

San Diego Harbor

Set off Quarantine.

Barr 30.09", Therm. att 55°

Clear & pleasant

Calm -

Strong Ebb tide at 10.00pm
bringing lot of drifts on surface

- disrupts

850 33
 60
1980 - 2.33 sec fm
1700
2800 2.33.
2850
2500
2550

60 / 2.33 seconds 3, 5²

830 2760
 1620 - 1.90.5
 850
2650 3.10 fm
2500